## LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Original) A method of computing comprising:
  - reading a data processing representation having code sections with code statements of at least a first and a second programming language;
  - recognizing a first code section with at least code statements of a first programming language;
  - invoking a first code statement processing unit of the first programming language to process the first code section;
  - recognizing a second code section with at least code statements of a second programming language;
  - invoking a second code statement processing unit of the second programming language to process the second code section.
- 2. (Previously Presented) The method of claim 1, wherein the first and second code sections are non-interleaved code sections.
- 3. (Original) The method of claim 1, wherein said second code section is embedded within said first code section.
- 4. (Original) The method of claim 1, wherein said first language is a directive language, and said second language is a selected one of XML and Java.
- 5. (Original) The method of claim 1, wherein said first language is Java, and said second language is XML.
- 6. (Previously Presented) The method of claim 1, wherein the method further comprises

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- recognizing a third code section with at least code statements of a third programming language; and
- invoking a third code statement processing unit of the third programming language to process the third code section.
- 7. (Original) The method of claim 6, wherein said third code section is embedded within said second code section, and said second code section is embedded within said first code section.
- 8. (Original) The method of claim 6, wherein said first language is a directive language, said second language is Java and said third language is XML.
- 9. (Previously Presented) The method of claim 1, wherein the method further comprises recognizing an invocation of a library function within at least a selected one of said first and second code sections; and invoking the library function, and outputting the result of the invocation.
- 10. (Original) The method of claim 9, wherein the library function is a selected one of an emit function for outputting execution results, a pop function for returning an element, and a push function for backing up an insertion point.
- (Original) The method of claim 1, wherein the method further comprises recognizing a header section of a selected one of the first and the second programming language;
  - recognizing a directive statement within the header section, enumerating one or more data packages; and
  - importing the enumerated one or more data packages for use within code sections with at least statements of the selected first and second programming language.

- 12. (Original) The method of claim 1, wherein the method further comprises recognizing a header section of a selected one of the first and the second programming language;
  - recognizing a declare statement within the header section, enumerating one or more processing methods; and
  - instantiating the enumerated one or more processing methods for use within code sections with at least statements of the selected first and second programming language.
- 13. (Original) The method of claim 1, wherein the method further comprises recognizing a header section of a selected one of the first and the second programming language;
  - recognizing a declare statement within the header section, enumerating one or more instance variables; and
  - instantiating the enumerated one or more instance variables for use within code sections with at least statements of the selected first and second programming language.
- 14. (Original) A method of computing comprising:
  - reading a data processing representation having code sections with code statements of at least a first and a second programming language;
  - recognizing a header section of a selected one of the first and the second programming language;
  - recognizing a directive statement within the header section, enumerating one or more data packages; and
  - importing the enumerated one or more data packages for use by code sections within code sections with at least statements of the selected first and second programming language.

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15. (Original) The method of claim 14, wherein the method further comprises

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- recognizing a declare statement within the header section, enumerating one or more processing methods; and
- instantiating the enumerated one or more processing methods for use within code sections with at least statements of the selected first and second programming language.
- 16. (Original) The method of claim 14, wherein the method further comprises recognizing a declare statement within the header section, enumerating one or more instance variables; and
  - instantiating the enumerated one or more instance variables for use within code sections with at least statements of the selected first and second programming language.
- 17. (Original) A method of computing comprising:
  - reading a data processing representation having code sections with code statements of at least a first and a second programming language;
  - recognizing a header section of a selected one of the first and the second programming language:
  - recognizing a first declare statement within the header section, enumerating one or more processing methods; and
  - instantiating the enumerated one or more processing methods for use within code sections with at least statements of the selected first and second programming language.
- (Original) The method of claim 17, wherein the method further comprises 18. recognizing a second declare statement within the header section, enumerating one or more instance variables; and
  - instantiating the enumerated one or more instance variables for use within code sections with at least statements of the selected first and second programming language.

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- 19. (Original) A method of computing comprising:
  - reading a data processing representation having code sections with code statements of at least a first and a second programming language;
  - recognizing a header section of a selected one of the first and the second programming language;
  - recognizing a declare statement within the header section, enumerating one or more instance variables; and
  - instantiating the enumerated one or more instance variables for use within code sections with at least statements of the selected first and second programming language.
- (Original) An apparatus comprising:
  - at least one storage unit having stored thereon programming instructions designed to enable the apparatus to
  - read a data processing representation having code sections with code statements of at least a first and a second programming language,
  - recognize a first code section with code statements of at least the first programming language,
  - invoking a first code statement processing unit of the first programming language to process the first code section,
  - recognize a second code section with code statements of at least the second programming language,
  - invoking a second code statement processing unit of the second programming language to process the second code section; and
  - at least one processor coupled to said at least one storage unit to execute said programming instructions.
- 21. (Previously Presented) The apparatus of claim 20, wherein the first and second code sections are non-interleaved code sections.

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- 22. (Original) The apparatus of claim 20, wherein said second code section is embedded within said first code section.
- 23. (Original) The apparatus of claim 20, wherein said first language is a directive language, and said second language is a selected one of XML and Java.
- 24. (Original) The apparatus of claim 20, wherein said first language is Java, and said second language is XML.
- 25. (Previously Presented) The apparatus of claim 20, wherein the programming instructions further enable the apparatus to
  - recognize a third code section with at least code statements of a third programming language; and
  - invoke a third code statement processing unit of the third programming language to process the third code section.
- 26. (Original) The apparatus of claim 25, wherein said third code section is embedded within said second code section, and said second code section is embedded within said first code section.
- 27. (Original) The apparatus of claim 25, wherein said first language is a directive language, said second language is Java and said third language is XML.
- 28. (Previously Presented) The apparatus of claim 20, wherein said programming instructions further enable the apparatus to
  - recognize an invocation of a library function of a selected one of the first and the second programming language within the first code section; and invoke the library function, and output the result of the invocation.

- 29. (Original) The apparatus of claim 28, wherein the library function is a selected one of an emit function for outputting execution results, a pop function for returning an element, and a push function for backing up an insertion point.
- 30. (Original) The apparatus of claim 20, wherein the said programming instructions are further designed to enable the apparatus to
  - recognize a header section of a selected one of the first and the second programming language;
  - recognize a directive statement within the header section, enumerating one or more data packages; and
  - import the enumerated one or more data packages for use by code sections with at least code statements of the selected one of the first and the second programming language.
- 31. (Original) The apparatus of claim 20, wherein said programming instructions are further designed to enable the apparatus to
  - recognize a header section of a selected one of the first and the second programming language;
  - recognize a declare statement within the header section, enumerating one or more processing methods; and
  - instantiate the enumerated one or more processing methods for use within code sections with at least code statements of the selected one of the first and the second programming language.
- 32. (Original) The apparatus of claim 20, wherein said programming instructions are further designed to enable the apparatus to
  - recognize a header section of a selected one of the first and the second programming language;
  - recognize a declare statement within the header section, enumerating one or more instance variables; and

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- instantiate the enumerated one or more instance variables for use code sections with at least code statements of the selected one of the first and the second programming language.
- 33. (Original) An apparatus comprising:
  - at least one storage medium having stored therein a plurality of programming instructions designed to enable the apparatus to
  - read a data processing representation having code sections with programming language statements of at least a first and a second programming language,
  - recognize a header section of a selected one of the first and the second programming language;
  - recognizing a directive statement within the header section, enumerating one or more data packages, and
  - import the enumerated one or more data packages for use code sections with at least code statements of the selected one of the first and the second programming language; and
  - at least one processor coupled to the storage medium to execute the programming instructions.
- 34. (Original) The apparatus of claim 33, wherein said programming instructions are further designed to enable the apparatus to
  - recognize a declare statement within the header section, enumerating one or more processing methods, and
  - instantiate the enumerated one or more processing methods for use within code sections with at least code statements of the selected one of the first and the second programming language.
- 35. (Original) The apparatus of claim 33, wherein said programming instructions are further designed to enable the apparatus to

- recognize a declare statement within the header section, enumerating one or more instance variables, and
- instantiate the enumerated one or more instance variables for use within code sections with at least code statements of the selected one of the first and the second programming language.
- 36. (Original) An apparatus comprising:
  - at least one storage medium having stored therein a plurality of programming instructions designed to enable the apparatus to
  - read a data processing representation having code sections with code statements of at least a first and a second programming language,
  - recognize a header section of a selected one of the first and the second programming language,
  - recognize a first declare statement within the header section, enumerating one or more processing methods, and
  - instantiate the enumerated one or more processing methods for use within code sections with at least code statements of the selected one of the first and the second programming language; and
  - at least one processor coupled to the storage medium to execute the programming instructions.
- 37. (Original) The apparatus of claim 36, wherein said programming instructions are further designed to enable the apparatus to
  - recognize a second declare statement within the header section, enumerating one or more instance variables, and
  - instantiate the enumerated one or more instance variables for use within code sections with at least code statements of the selected one of the first and the second programming language.
- 38. (Original) An apparatus comprising:

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- at least one storage medium having stored therein a plurality of programming instructions designed to enable the apparatus to
- read a data processing representation having code sections with code statements of at least a first and a second programming language,
- recognize a header section of a selected one of the first and the second programming language,
- recognize a declare statement within the header section, enumerating one or more instance variables,
- instantiate the enumerated one or more instance variables for use within code sections with at least code statements of the selected one of the first and the second programming language; and
- at least one processor coupled to the storage medium to execute the programming instructions.